

Recombinant Human GNB5 293 Cell Lysate

Cat. No. GNB5-5859HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), beta 5 (GNB5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GNB5 guanine nucleotide binding protein (G protein), beta 5 [Homo sapiens]

Official Symbol

GNB5

Synonyms

GNB5; guanine nucleotide binding protein (G protein), beta 5; guanine nucleotide-binding protein subunit beta-5; GB5; gbeta5; transducin beta chain 5; G protein, beta-5 subunit; G protein, beta subunit 5L; guanine nucleotide-binding protein, beta subunit 5L; FLJ37457; FLJ43714;

Gene ID

10681

mRNA Refseq

NM_006578

Protein Refseq

NP_006569

MIM

604447

UniProt ID

O14775

Chromosome Location

15q21.1

Pathway

ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Aquaporin-

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mediated transport, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;

Function

GTPase activity; signal transducer activity;

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